Attorney Docket No.: Q90361

**AMENDMENTS TO THE CLAIMS** 

This listing of claims will replace all prior versions and listings of claims in the

application:

**LISTING OF CLAIMS:** 

1. (withdrawn) A use of pinitol or chiroinositol for protecting the liver in a

mammal.

2. (withdrawn) The use of claim 1, wherein pinitol or chiroinositol enhances

superoxide dismutase (SOD) activity.

3. (withdrawn) The use of claim 1, wherein pinitol or chiroinositol increases the

glutathione level in the liver.

4. (withdrawn) The use of claim 1, wherein the mammal is human.

5. (withdrawn) The use of claim 1, wherein pinitol or chiroinositol is administered

to the mammal in the form of a composition containing same, said composition being selected

from the group consisting of a pharmaceutical composition, a food composition and a beverage

composition.

6. (withdrawn) A use of an extract of a plant containing pinitol or chiroinositol for

protecting the liver in a mammal.

AMENDMENT UNDER 37 C.F.R. § 1.116 Attorney Docket No.: Q90361

Application No.: 10/550,272

7. (withdrawn) The use of claim 6, wherein the plant extract containing pinitol or

chiroinositol enhances superoxide dismutase (SOD) activity.

8. (withdrawn) The use of claim 6, wherein the plant extract containing increases

the glutathione level in the liver.

9. (withdrawn) The use of claim 6, wherein the mammal is human.

10. (withdrawn) The use of claim 6, wherein the plant is selected from the group

consisted of soybean, pine, Hovenia dulcis Thunb, Acanthopanax senticosus and carob.

11. (withdrawn) The use of claim 6, wherein the plant extract is a water extract or an

organic solvent extract.

12. (withdrawn) The use of claim 11, wherein the plant extract is prepared by adding

5 to 15-fold volume of water to a plant powder; extracting at 10 to 80 °C. for 1 to 24 hours; and

filtering the extract thus obtained.

13. (withdrawn) The use of claim 6, wherein the plant extract containing pinitol or

chiroinositol is administered to the mammal in the form of a composition containing same, said

composition being selected from the group consisting of: a pharmaceutical composition, a food

composition and a beverage composition.

AMENDMENT UNDER 37 C.F.R. § 1.116 Attorney Docket No.: Q90361

Application No.: 10/550,272

14. (Currently amended) A method of <u>preventing treating</u> liver damage associated

with oxidative stress in a mammal, which comprises administering an effective amount of pinitol

or chiroinositol into the mammal.

15. (Original) The method of claim 14, wherein the effective amount of pinitol or

chiroinositol is 0.1 to 100 mg/kg body weight/day.

16. (Previously presented) The method of claim 14, wherein pinitol or chiroinositol

enhances superoxide dismutase (SOD) activity.

17. (Previously presented) The method of claim 14, wherein pinitol or chiroinositol

increases the glutathione level in the liver.

18. (Previously presented) The method of claim 14, wherein the mammal is human.

19. (Previously presented) The method of claim 14, wherein pinitol or chiroinositol

is administered to the mammal in the form of a composition containing same, said composition

being selected from the group consisting of: a pharmaceutical composition, a food composition

and a beverage composition.

20. (Previously presented) The method of claim 14, wherein pinitol or chiroinositol

is extracted from a plant selected from the group consisting of soybean, pine, *Hovenia dulcis* 

Thunb, Acanthopanax senticosus and carob.

AMENDMENT UNDER 37 C.F.R. § 1.116 Attorney Docket No.: Q90361

Application No.: 10/550,272

21. (Canceled)

22. (Previously presented) The method of claim 20, wherein pinitol or chiroinositol

is prepared by adding 5 to 15-fold volume of water to a plant powder; extracting at 10 to 80°C

for 1 to 24 hours; and filtering the extract thus obtained.